

Typical Properties of Bond-Ply

		BP 100.005	BP 100.008	BP 100.011	BP 400	BP660B
Property	Test Method	Imperial Value	Imperial Value	Imperial Value	Imperial Value	Imperial Value
Color	Visual	White	White	White	White	White
Reinforcement Carrier	***	Fiberglass	Fiberglass	Fiberglass	***	Film
Thickness (inch)	ASTM D374	0.005	0.008	0.011	0.005	0.0055
Temp. Resistance, 30 sec. (°F)	***	392	392	392	***	392
Elongation (%45° to Warp & Fill)	ASTM D412	70	70	70	***	40
Tensile Strength (psi) / (MPa)	ASTM D412	900	900	900	***	30000
CTE (ppm)	ASTM D3386	325	325	325	***	325
Glass Transition (°F)	ASTM 1356	-22	-22	-22	-22	-22
Continuous Use Temp. (°F)	***	-22 to 248	-22 to 248	-22 to 248	-22 to 248	-22 to 248
Adhesion						
Lap Shear @ RT (psi) / (MPa)	ASTM D1002	100	100	100	100	100
Lap Shear after 5 hr. @ 100°C	ASTM D1002	200	200	200	200	200
Lap Shear after 2 hr. @ 200°C	ASTM D1002	200	200	200	200	200
Static Dead Weight Shear (°F)	PSTC #7	302	302	302	***	302
Electrical						
Dielectric Breakdown Voltage (Vac)	ASTM D149	3000	3000	3000	3000	7000
Flame Rating	U.L. 94	V-O	V-O	V-O	V-O	V-O
Thermal						
Thermal Conductivity (W/m-K)	ASTM D5470	0.8	0.8	0.8	0.4	0.4